

Work Order ID 142144

February 29, 2016 2:10:16 PM

Ship 14/03/23

142144

To ship ASAP

Page 1

Item ID: D412-769-044

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Aft Facing Seat Assembly, RH

Stop

NS2

Start Date: 3/11/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/18/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: SW

Date: 20160222 Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D412-769-2

Rev B(DEO)

100

Pick Kit

0.00

100

Packaging

Memo

0.00

Packaging

1

FF

MAR 22 2016

110

Small Fab

0.00

110

Small Fab

Memo

0.02

Small Fab

1- Loosely assemble as per
dwg D412-769-2 except for aft connection of D3783-045

2- Temporarily place spacers D4679-1 and seat pan D3774-1 clamp in place and
transfer drill hole for connection of D3783-045 in seat pan.

3-Remove seat pan and enlarge drilled hole to 3/4"

4-place seat frame on assembly jig DT-9006

5-tighten all connections

1

FF

MAR 22 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Page 2

Item ID: D412-769-044

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Aft Facing Seat Assembly, RH

Stop

NS2

Start Date: 3/11/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/18/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run

Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC5- Inspect part completeness to step on W/O

0.00

120

QC

Memo

0.00

Quality Control

DAS

38

3-09

MAR 22 2016

130

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00

130

Powdercoat

Memo

0.01

Powder Coating

1- mask D3782-041 and D3782-043 front legs and D3787-1 foot as per dwg
D412-769-041 2- install bolts in 3 place (in seat belt eye bolt holes) to ensure
leg does not move when Powdercoat3- Powder coat remainig of assembly grey
as per dwg D412-769-2START

START: 2:00 / 16-03-22 8:30
OV. T: 320°
FINISH: 2:30

140

QC3- Inspect Part Finish

0.00

140

QC

Memo

0.00

Quality Control

DAS

38

3-09

MAR 23 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY					
Environment ☐		No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐		Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐		Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐		Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐		Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐		Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐		Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐		Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐		Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐		Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐		Manufacturing Process ☐	OTHER : ☐					
Misidentified ☐		Past Due ☐						

February 29, 2016 2:10:16 PM

Item ID: D412-769-044

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: Aft Facing Seat Assembly, RH

Stop *NS2*

Start Date: 3/11/2016 **Start Qty:** 1.00

1

Cust Item ID:

Required Date: 3/18/2016 **Req'd Qty:** 1.00

*** 1 ***

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Run Start *NR1*

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

150	Pick Kit	0.00
-----	----------	------

150

Packaging Memo

0.00

Packaging

160	0.00
-----	------

160

Small Fab	Memo	0.03
-----------	------	------

Small Fab 1- install remaining parts as per dwg D412-769-2

170	QC5- Inspect part completeness to step on W/O	0.00
-----	---	------

170

QC	Memo	0.00
----	------	------

Quality Control

DAS
38
9-81

MAR 23 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : ☐			

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Item ID: D412-769-044

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Aft Facing Seat Assembly, RH

Start Date: 3/11/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/18/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180	Identify as per dwg & Stock Location: _____	0.00							
180									
Packaging	Memo	0.00							
Packaging									
190	QC21- Final Inspection - Work Order Release	0.00							
190									
QC	Memo	0.00							
Quality Control									

16/3/23 SJ

MCS MAR 23 2016

MCS MAR 23 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Work Order ID: 142144

142144

Parent Item: D412-769-044

D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP rev A 08.05-12 new issue DD verified by:ec
 IPP Rev:B 08-07-17 revB as per dwg DD verified by:ec
 IPP Rev:C 08-08-21 move D3792-1 after powder coat DD verified by:EC
 (DEO-B1) (ECN12-621) DD VERF:EC IPP REV:D 12.07.27

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN3-5A		Purchased	No			110	Each	174.0000	6	6			
AN3-5A									**		FF	MAR 22 2016	
Bolt													

Location	Loc Qty	Loc Code
FP001	6	
m133686	6	
GA	34	
m133686	34	
ST350	134	
m133686	14	
m134055	120	

AN4-15A

Purchased

No

110

Each

199.0000

2

2

AN4-15A

Bolt

FF

MAR 22 2016

Location	Loc Qty	Loc Code
GA	40	
120449	40	
over003	100	
m134055	100	
ST343	59	
m133284	3	
m133769	56	

2

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Work Order ID: 142144

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

142144

D412-769-044

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

AN45-13A

Purchased

No

110

Each

8.0000

1

1

AN45-13A

EYE BOLT

FF

MAR 22 2016

Location

Loc Qty

Loc Code

GA

3

m126293

3

ST339

5

m131481

5

AN5-10A

Purchased

No

110

Each

208.0000

6

6

AN5-10A

Bolt

FF

MAR 22 2016

Location

Loc Qty

Loc Code

GA

51

122800

51

ST338

157

m133769

7

m134039

150

AN5-13A

Purchased

No

110

Each

43.0000

2

2

AN5-13A

BOLT

FF

MAR 22 2016

Location

Loc Qty

Loc Code

CA

2

m129682

2

GA

11

122800

11

ST338

30

m132803

30

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Work Order ID: 142144

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

142144

D412-769-044

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

AN525-10R24

Purchased

No

110

Each

53.0000

9

9

AN525-10R24

Screw

**

FF

MAR 22 2016

Location

Loc Qty

Loc Code

GA

50

m131467

50

ST328

3

122814

3

D3766-2

Manufactured

No

110

Each

1.0000

1

1

D3766-2

Front Rail, RH

**

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST254

1

127829

1

D3766-3

Manufactured

No

110

Each

1.0000

1

1

D3766-3

Rear Rail

**

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST254

1

123705

1

D3767-1

Manufactured

No

110

Each

2.0000

1

1

D3767-1

Upper Rail

**

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST254

2

104913

2

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Work Order ID: 142144

142144

Parent Item: D412-769-044

D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

D3782-041

Manufactured No

110 Each 1.0000 1 1

D3782-041

Front, Outboard Leg Assembly

**

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST252

1

127442

1

D3782-044

Manufactured No

110 Each 1.0000 1 1

D3782-044

Front Outboard Leg Assembly, RH

**

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST252

1

127450

1

D3782-045

Manufactured No

110 Each 0.0000 2 2

D3782-045

Back Leg Assembly

D3783-041

Manufactured No

110 B 141864 1 1

D3783-041

Lateral Brace Assembly

D3783-043

Manufactured No

110 B 142114 1 1

D3783-043

Longitudinal Brace Assembly

**

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST252

2

141865

2

D3783-045

Manufactured No

110 Each 2.0000 1 1

D3783-045

Angle Brace Assembly

**

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST253

2

127583

2

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Work Order ID: 142144

142144

Parent Item: D412-769-044

D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

D3784-041	Manufactured	No	142118	110	Each	0.0000	1	1	**	1	FF	MAR 22 2016
D3784-041												
Seat Support Assembly, Center												
D3784-043	Manufactured	No	142117	110	Each	0.0000	1	1	**	1	FF	MAR 22 2016
D3784-043												
Seat Support Assembly, LH												
D3784-044	Manufactured	No		110	Each	1.0000	1	1	**		FF	MAR 22 2016
D3784-044												
Seat Support Assembly, RH												

MS21042L3	Purchased	No		110	Each	3,118.000	9	9	**		FF	MAR 22 2016
MS21042L3												
Nut												

Location Loc Qty Loc Code

ST257

1

127712

1

Location

Loc Qty

Loc Code

FP001

163

m133790

163

GA

130

m133790

130

OVER007

2000

m134360

2000

ST304

825

m134039

825

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Work Order ID: 142144

Parent Item: D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

142144

D412-769-044

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

2,239.000

2

2

MS21042L 4

Locknut

FF

MAR 22 2016

Location

Loc Qty

Loc Code

FP001

37

m133363

37

GA

456

m133769

456

ST007

1500

m134055

1500

ST303

149

m133769

149

ST305

97

m130922

97

2

NAS1149D0363J

Purchased

No

110

Each

1,051.000

23

23

NAS1149D0363.J

Washer

FF

MAR 22 2016

Location

Loc Qty

Loc Code

GA

64

m130799

64

ST263

987

m133932

26

m134055

961

23

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Work Order ID: 142144

142144

Parent Item: D412-769-044

D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0463J

Purchased

No

110

Each

4,693.000

4

4

NAS1149D0463.J

WASHER

FF

MAR 22 2016

Location

Loc Qty

Loc Code

GA

237

M129390

41

M132035

196

ST263

3108

M134039

3108

ST269

1348

M130799

360

M132317

100

M132677

888

4

NAS1149D0563J

Purchased

No

110

Each

1,324.000

20

20

NAS1149D0563.J

Washer

FF

MAR 22 2016

Location

Loc Qty

Loc Code

GA

309

m125807

14

m133769

295

ST263

912

m133363

14

m133938

11

m133990

387

m134257

500

ST269

103

m128257

103

20

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Work Order ID: 142144

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Parent Item: D412-769-044

D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

AN525-10R22

Purchased

No

160

Each

47.0000

11

11

AN525-10R22

Screw

FF

MAR 22 2016

Location

Loc Qty

Loc Code

GA

47

M131467

47

AN525-10R28

Purchased

No

160

Each

53.0000

2

2

AN525-10R28

SCREW

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST328

3

m128179

3

ST329

50

m134360

50

D3774-1

Manufactured

No

160

Each

1.0000

1

1

D3774-1

Seat Bottom, LH/RH

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST250

1

135466

1

D3774-3

Manufactured

No

160

Each

3.0000

1

1

D3774-3

Seat Back, LH/RH

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST250

3

129470

3

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Work Order ID: 142144

142144

Parent Item: D412-769-044

D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

D3775-1 Manufactured No

160 Each 5.0000 2 2

D3775-1

Guard

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST053

5

123717

1

127643

4

D3792-1 Manufactured No

160 Each 12.0000 3 3

D3792-1

Eye Bolt

FF

MAR 22 2016

Location

Loc Qty

Loc Code

ST253

12

104354

4

127630

8

D4679-1 Manufactured No

160 Each 20.0000 2 2

D4679-1

Spacer

FF

MAR 22 2016

Location

Loc Qty

Loc Code

GA

20

127580

20

2

Picklist Print

February 29, 2016 2:10:22 PM

Page 10

Work Order ID: 142144

142144

Parent Item: D412-769-044

D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

160

Each

3,118.000

19

19

MS21042L3

FF

MAR 22 2016

Nut

Location

Loc Qty

Loc Code

FP001

163

m133790

163

GA

130

m133790

130

OVER007

2000

m134360

2000

ST304

825

m134039

825

19

MS21042L5

Purchased

No

160

Each

523.0000

12

12

MS21042L5

FF

MAR 22 2016

Nut

Location

Loc Qty

Loc Code

GA

146

m127813

146

ST303

377

m134055

377

12

Picklist Print

February 29, 2016 2:10:22 PM

Page 11

Work Order ID: 142144

142144

Parent Item: D412-769-044

D412-769-044

Parent Item Name: Aft Facing Seat Assembly, RH

Start Date: 3/11/2016

Required Date: 3/18/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0332J

Purchased

No

160

Each

1,248.000

11

11

NAS1149D0332.J

Washer

FF

MAR 27 2016

Location

Loc Qty

Loc Code

CA

14

m129682

14

FP001

44

m129682

44

GA

131

m132677

131

ST260a

600

m133988

600

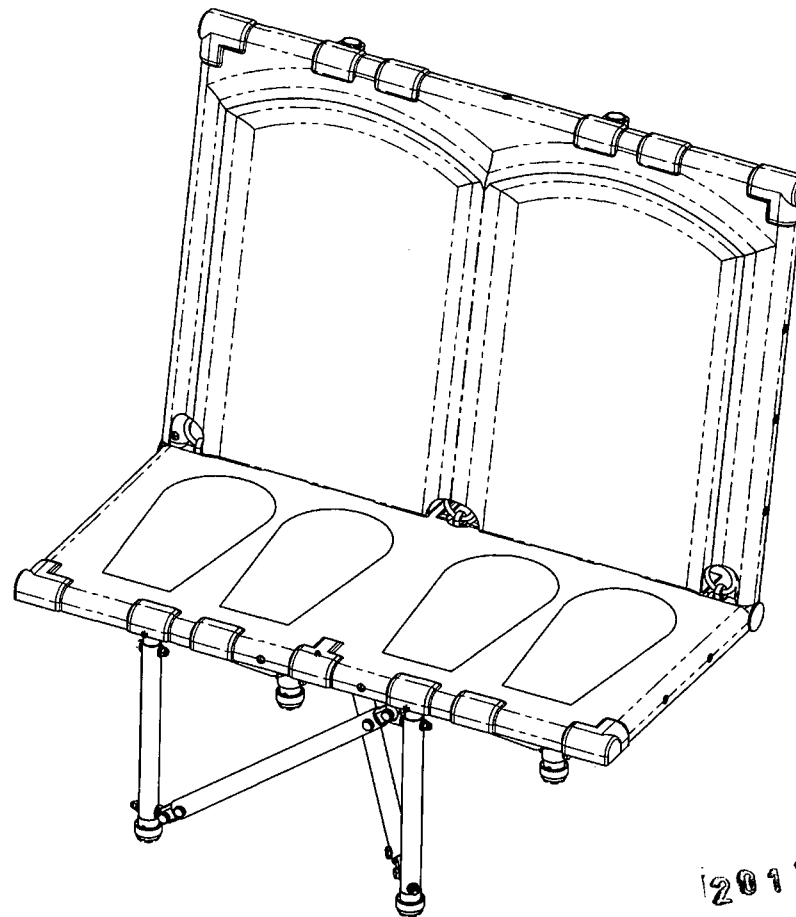
²⁶⁶
~~ST260~~

459

m133498

459

11



D412-769-044 AFT FACING SEAT, RH

120160229

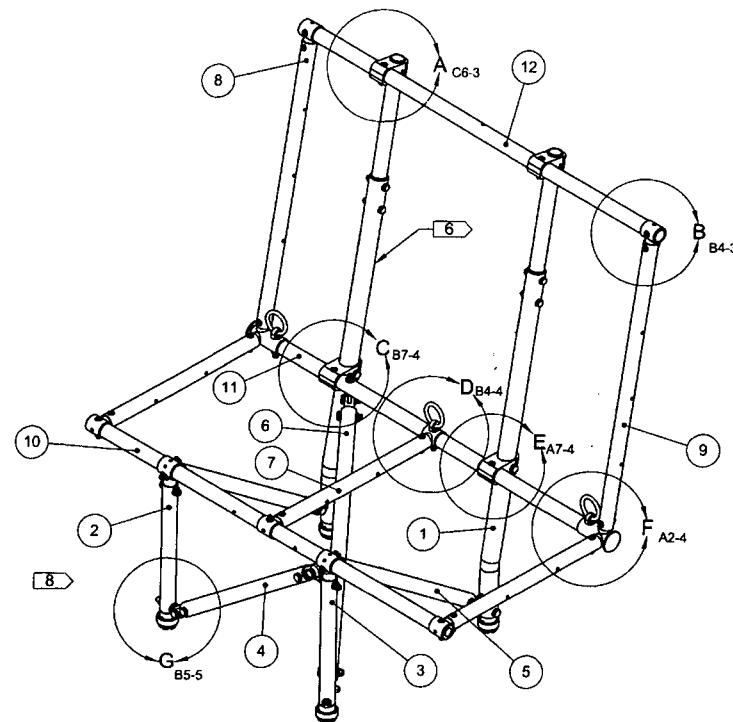
SH 142144

RELEASE
08-07-10/14

REV.	DESCRIPTION	BY	DATE
B	NEW HARDWARE	HS	08.06.25
A	NEW ISSUE	HS	08.06.04
DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D412-769-2 TITLE AFT FACING SEAT ASSY, RH DATE 08.06.25	
DRAWN	HS		
CHECKED			
MFG. APPR.			
DE APPR.			
DATE	08.06.25	SCALE	REV. B
		SHEET 1 OF 7	
		NTS	

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-044)
1	D3782-045	BACK LEG ASSY	2
2	D3782-041	FRONT INBOARD LEG ASSY	1
3	D3782-044	FRONT OUTBOARD LEG ASSY, RH	1
4	D3783-041	LATERAL BRACE ASSY	1
5	D3783-043	LONGITUDINAL BRACE ASSY	2
6	D3783-045	ANGLE BRACE ASSY	1
7	D3784-041	SEAT SUPPORT ASSY	1
8	D3784-043	SEAT SUPPORT ASSY, LH	1
9	D3784-044	SEAT SUPPORT ASSY, RH	1
10	D3766-2	FRONT RAIL, RH	1
11	D3766-3	REAR RAIL	1
12	D3767-1	UPPER RAIL	1
13	D3792-1	SEAT BELT EYE BOLT	3
14	D3775-1	GUARD	2
15	D3774-1	SEAT BOTTOM	1
16	D3774-3	SEAT BACK	1
17	AN3-5A	BOLT	6
18	AN4-15A	BOLT	2
19	AN45-13A	EYE BOLT	1
20	AN5-10A	BOLT	6
21	AN5-13A	BOLT	2
22	AN525-10R22	SCREW	13
23	AN525-10R24	SCREW	9
24	MS21042L3	NUT	28
25	MS21042L4	NUT	2
26	MS21042L5	NUT	12
27	NAS1149D0332J	WASHER (AN960JD10L)	13
28	NAS1149D0363J	WASHER (AN960JD10)	21
29	NAS1149D0463J	WASHER (AN960JD416)	4
30	NAS1149D0568J	WASHER (AN960JD516)	20



D412-769-044 AFT FACING SEAT, RH

RELEASED
25 OCT 1975

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1, -3). MASK FRONT LEGS PRIOR TO POWDER COAT
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)
- 7) WEIGHT: 30.0 lbs
- 8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	HS	DRAWING NO.	REV. B
MFG. APPR.	HS	D412-769-2	SHEET 2 OF 7
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	AFT FACING SEAT ASSY, RH	NTS
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AN525-10R24 SCREW (1)
NAS1149D0363J WASHER (1)
MS21042L3 NUT (1)

D3767-1
UPPER RAIL
REF

D3782-045
BACK LEG ASSY
REF

DETAIL A_{D2-2}
UPPER RAIL TO BACK LEG ATTACHMENT
2 PL

AN525-10R24 SCREW (1)
NAS1149D0363J WASHER (1)
MS21042L3 NUT (1)

D3767-1
UPPER RAIL
REF

D3784-044
SEAT SUPPORT ASSY, RH
REF

DETAIL B_{C1-2}
SEAT SUPPORT END ATTACHMENT (TYP)
5 PL

RELEASED
08-07-10

DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED		DRAWING NO. D412-769-2	REV. B
MFG. APPR.		TITLE	SCALE
APPROVED		AFT FACING SEAT ASSY, RH	
DE APPR.			NTS
DATE	08.06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

D3782-045
BACK LEG ASSY
REF

AN45-13A EYE BOLT (1)
NAS1149D0568J WASHER (1)
MS21042L5 NUT (1)

D3766-3
REAR RAIL
REF

AN525-10R24 SCREW (1)
NAS1149D0363J WASHER (1)
MS21042L3 NUT (1)

DETAIL C C2-2
REAR RAIL TO BACK LEG ATTACHMENT

AN525-10R24 SCREW (1)
NAS1149D0363J WASHER (1)
MS21042L3 NUT (1)

D3766-3
REAR RAIL
REF

D3782-045
BACK LEG ASSY
REF

DETAIL E C2-2
REAR RAIL TO BACK LEG ATTACHMENT

D3784-041
SEAT SUPPORT ASSY, CENTER
REF

DETAIL D C1-2
SEAT SUPPORT ASSY, CENTER ATTACHMENT

D3792-1 SEAT BELT EYE BOLT (1)
NAS1149D0568J WASHER (2)
MS21042L5 NUT (1)

D3766-3
REAR RAIL
REF

D3792-1 SEAT BELT EYE BOLT (1)
NAS1149D0568J WASHER (2)
MS21042L5 NUT (1)

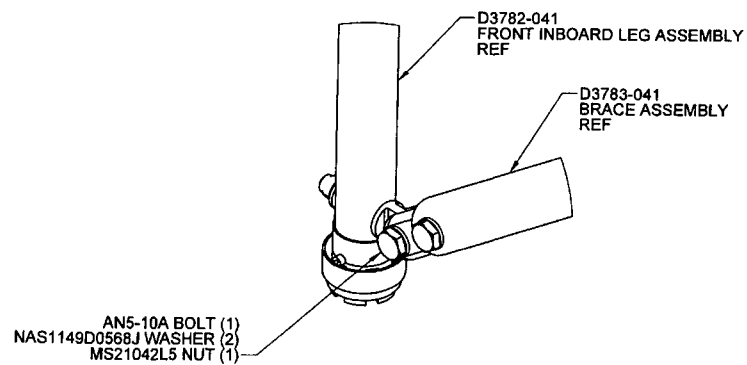
RELEASED
08.07.12/102

D3775-1
GUARD
REF

D3784-044
SEAT SUPPORT ASSY, RH
REF

DETAIL F B1-2
SEAT SUPPORT ATTACHMENT
2 PL

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D412-769-2	SHEET 4 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, RH	NTS
DATE	08.06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD	
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DETAIL G_{B3-2}
BRACE ATTACHMENT

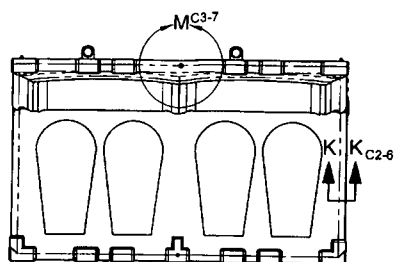
6 PL

RELEASED
08.07.10

DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	HS	DRAWING NO. D412-769-2	REV. B SHEET 5 OF 7
MFG. APPR.	HS	TITLE	SCALE
APPROVED	HS	AFT FACING SEAT ASSY, RH	NTS
DE APPR.	HS	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	08.06.25		

8 7 6 5 4 3 2 1

D



AN525-10R22 SCREW (1)
NAS1149D0332J WASHER (1)
MS21042L3 NUT (1)
3 PL PER SIDE

D3784-044
SEAT SUPPORT, RH
REF

1

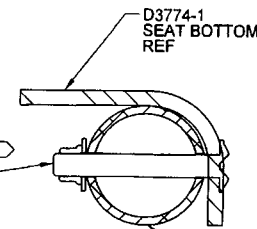


SECTION H-H

B7-6

AN525-10R22 SCREW (1)
NAS1149D0332J WASHER (1)
MS21042L3 NUT (1)
2 PL PER SIDE

2

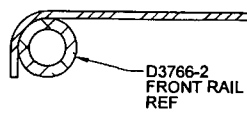
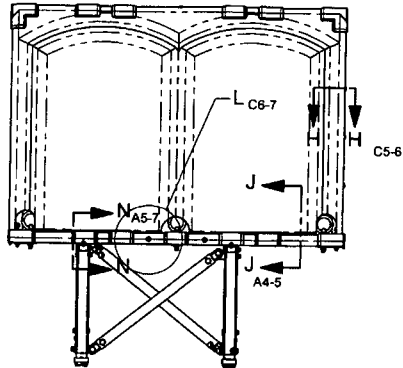


SECTION K-K

D7-6

C

B



SECTION J-J

B7-6

D3774-3
SEAT BACK
REF

D3774-1
SEAT BOTTOM
REF

D3766-3
REAR RAIL
REF

3

AN3-5A BOLT (1)
NAS1149D0363J WASHER (2)
MS21042L3 NUT (1)
6 PL

RELEASED
68-07-10

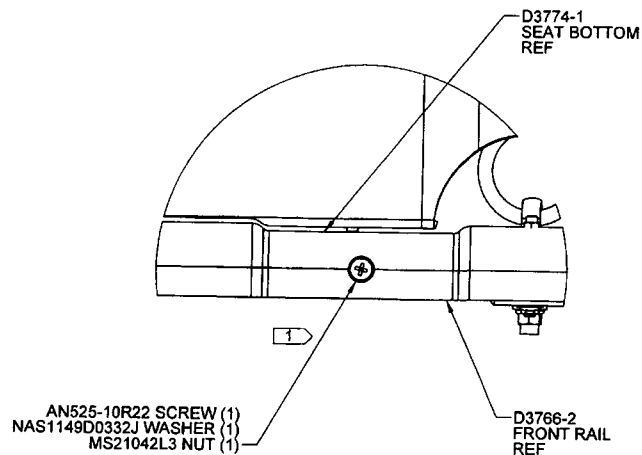
A

NOTES:

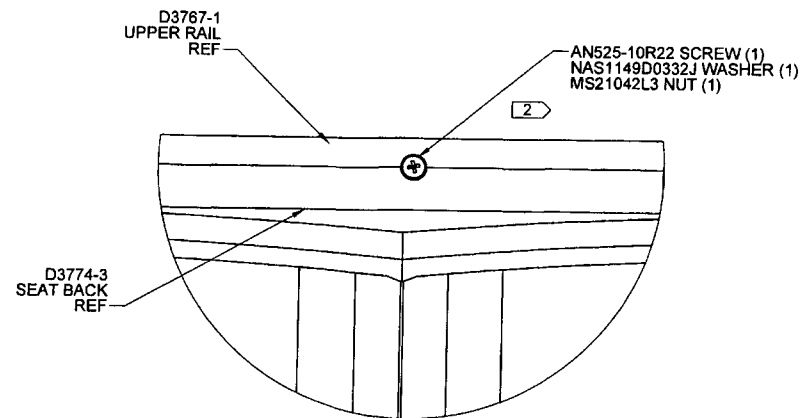
- 1) TRANSFER DRILL HOLES $\varnothing 0.201$ FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BACK (D3774-3) - 3 PL/SIDE
- 2) TRANSFER DRILL HOLES $\varnothing 0.201$ FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BOTTOM (D3774-1) - 2 PL/SIDE
- 3) TRANSFER DRILL HOLES $\varnothing 0.201$ FROM SEAT BOTTOM (D3774-1) TO SEAT BACK (D3774-3) - 6 PL

8 7 6 5 4 3 2 1

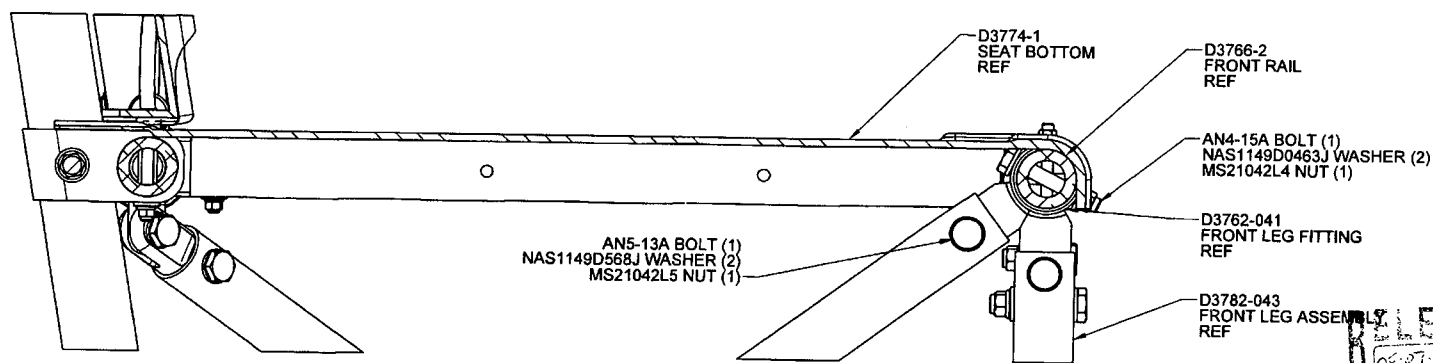
DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	HS	DRAWING NO. D412-769-2	REV. B
MFG. APPR.		TITLE AFT FACING SEAT ASSY, RH	SHEET 6 OF 7
APPROVED		DATE 08.06.25	SCALE NTS
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DETAIL L B7-6
SEAT BOTTOM ATTACH - FRONT DETAIL



DETAIL M D7-6
SEAT BACK ATTACH - TOP DETAIL



SECTION N-N B7-6
FRONT LEG AND LONGITUDINAL ANGLE ATTACHMENT

NOTES:

- 1) TRANSFER DRILL HOLES $\varnothing 0.201$ FROM FRONT RAIL (D3766-2) TO SEAT BOTTOM (D3774-1) - 2 PL
- 2) TRANSFER DRILL HOLES $\varnothing 0.201$ FROM UPPER RAIL (D3767-1) TO SEAT BACK (D3774-3) - 1 PL

DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED		DRAWING NO.	REV. 8
MFG. APPR.		D412-769-2	SHEET 7 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, RH	NTS
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RELEASED
08-07-10 / 10/10

DRAWING NO. D412-769-2	TITLE AFT FACING SEAT ASSY, RH	REV. B	DART AEROSPACE LTD ENGINEERING ORDER		D.E.O. NO. D412-769-2-B-1	SHEET NO. SHEET 1 OF 2	SCALE NTS
DRAWN	CHECKED <i>UP</i>	MFG. APPR. <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DE APPR. <i>[Signature]</i>			
DATE 12.07.09	DATE 12/7/10	DATE 12.07.10	DATE 12.07.10	DATE 12.07.10			

PURPOSE:

ADDITION OF QTY(2) D4679-1 SPACER PER PAR12-207.

CHANGE:

PARTS LIST IS AMENDED AS FOLLOWS:

PART NUMBER	DESCRIPTION	QTY. (-044)
D3782-045	BACK LEG ASSY	2
D3782-041	FRONT INBOARD LEG ASSY	1
D3782-044	FRONT OUTBOARD LEG ASSY, RH	1
D3783-041	LATERAL BRACE ASSY	1
D3783-043	LONGITUDINAL BRACE ASSY	2
D3783-045	ANGLE BRACE ASSY	1
D3784-041	SEAT SUPPORT ASSY	1
D3784-043	SEAT SUPPORT ASSY, LH	1
D3784-044	SEAT SUPPORT ASSY, RH	1
D3766-2	FRONT RAIL, RH	1
D3766-3	REAR RAIL	1
D3767-1	UPPER RAIL	1
D3792-1	SEAT BELT EYE BOLT	3
D3775-1	GUARD	2
D3774-1	SEAT BOTTOM	1
D3774-3	SEAT BACK	1
D4679-1	SPACER	2
AN3-5A	BOLT	6
AN4-15A	BOLT	2
AN45-13A	EYE BOLT	1
AN5-10A	BOLT	6
AN5-13A	BOLT	2
AN525-10R22	SCREW	11
AN525-10R24	SCREW	9
AN525-10R28	SCREW	2
MS21042L3	NUT	28
MS21042L4	NUT	2
MS21042L5	NUT	12
NAS1149D0332J	WASHER (AN960JD10L)	11
NAS1149D0363J	WASHER (AN960JD10)	23
NAS1149D0463J	WASHER (AN960JD416)	4
NAS1149D0568J	WASHER (AN960JD516)	20

NEW

QTY WAS 13

NEW

QTY WAS 13

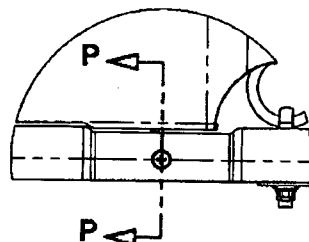
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RELEASE
2012-07-16
[Signature]

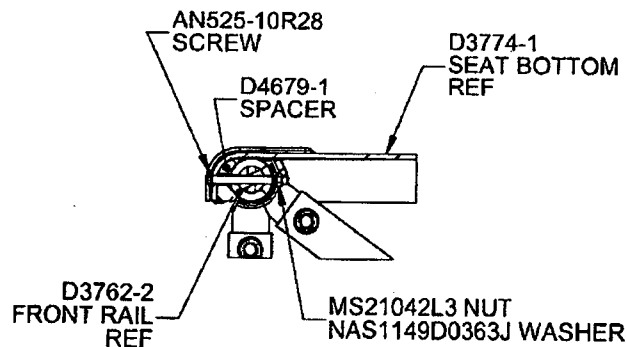
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DRAWING NO. D412-769-2	TITLE AFT FACING SEAT ASSY, RH	REV. B	DART AEROSPACE LTD ENGINEERING ORDER	D.E.O. NO. D412-769-2-B-1	SHEET NO. SHEET 2 OF 2	SCALE NTS
DRAWN <i>[Signature]</i>	CHECKED <i>[Signature]</i>	MFG. APPR. <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DE APPR. <i>[Signature]</i>		
DATE 12.07.09	DATE 12/7/10	DATE 12.07.10	DATE 12.07.10	DATE 12.07.10		

IS:

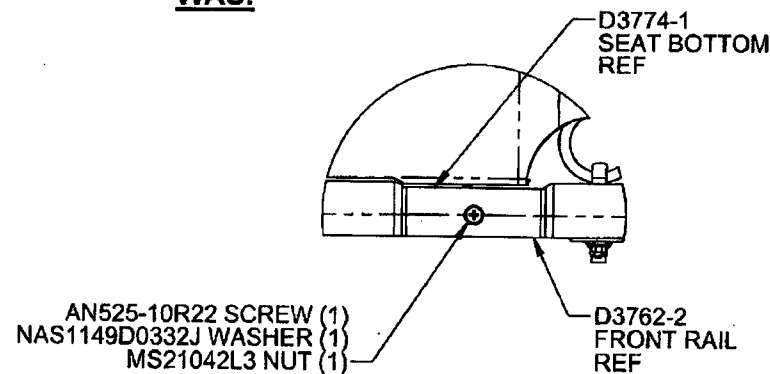


DETAIL L
SEAT BOTTOM ATTACH - FRONT DETAIL
2 PL



SECTION P-P
INSTALLATION OF D4679-1 SPACER
2 PL

WAS:



DETAIL L
SEAT BOTTOM ATTACH - FRONT DETAIL

RELEASED
2012-07-16
[Signature]

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